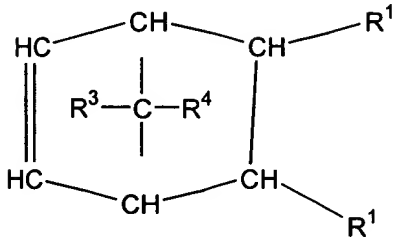
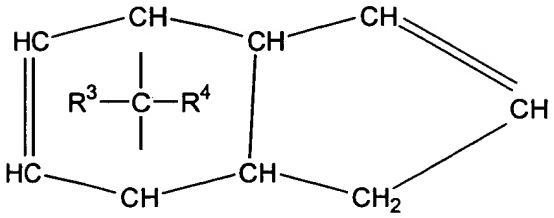
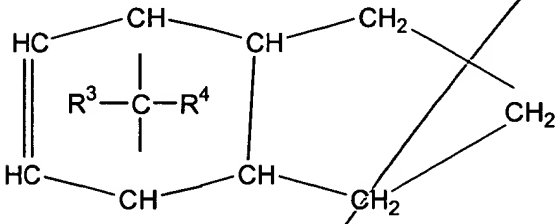
II, II' III, IV, V or VI from 0.1 to 100% by weight, based on the total weight of the cycloolefin polymer, of



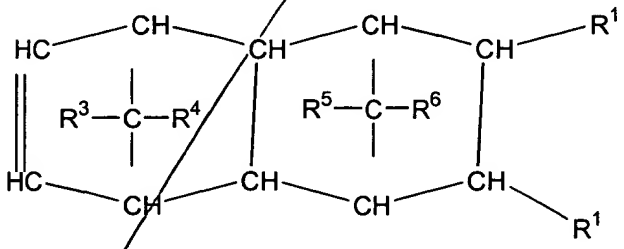
(I),



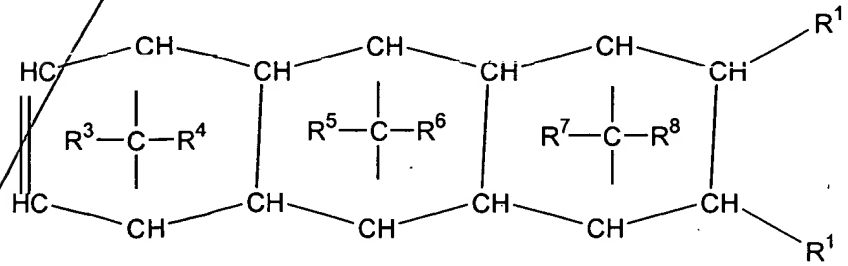
(II),



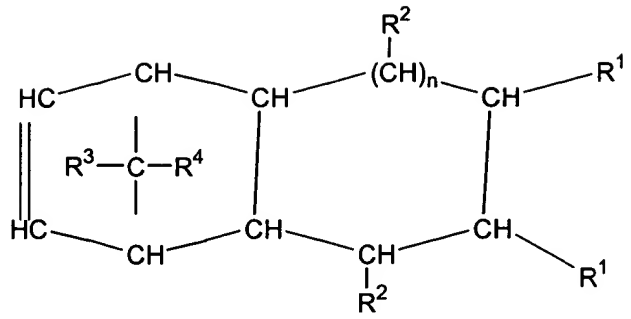
(II'),



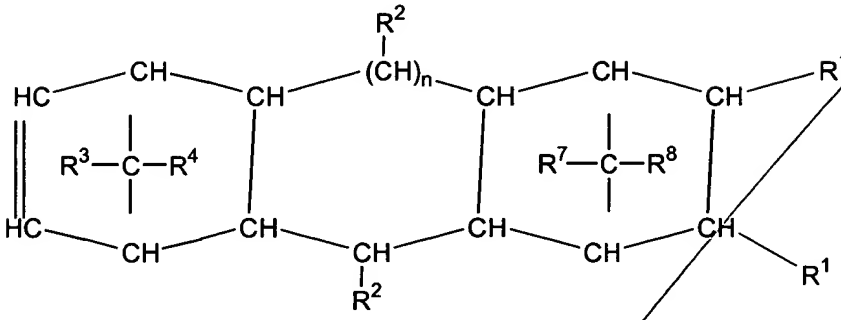
(III),



(IV),

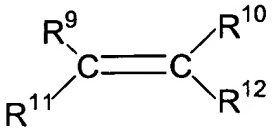


(V),



(VI),

where R^1, R^2, R^3, R^4, R^5, R^6, R^7, and R^8 are identical or different and are hydrogen or a C_1-C_{20}-hydrocarbon radical, where the same radicals R^1 to R^8 may be different in the different formulae I to VI, where n is from 0 to 5, and from 0 to 99 mol %, based on the entire structure of the cycloolefin copolymer, of polymerized units derived from one or more acyclic olefins of the formula VII



(VII),

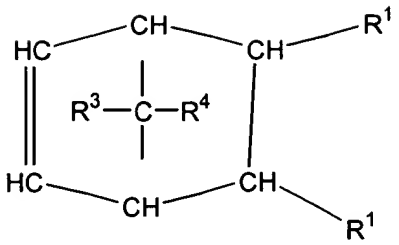
where R^9, R^{10}, R^{11}, and R^{12} are identical or different and are hydrogen, a linear or branched, saturated or unsaturated C_1-C_{20}-hydrocarbon radical, and

wherein said mono- or multilayer film has a stretching ratio of from 1.1 to 4.0.

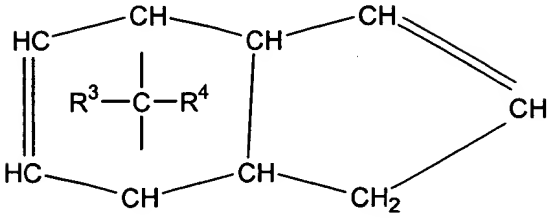
23. (Amended) A monolayer film comprising:

at least one layer of a cycloolefin polymer, where the monolayer film has, at a relative humidity of approximately 85% and a temperature of approximately 23°C, a water vapor permeation of $\leq$ 0.035 g*N/mm/m^{2}d, a puncture resistance of $\leq$ 300 N/mm and a thickness of $\leq$ 100 µm,

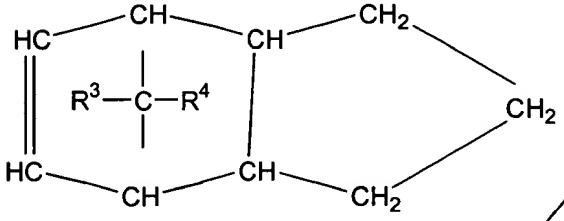
where the monolayer film is biaxially or monoaxially oriented and which film comprises at least one cycloolefin polymer selected from the group consisting of a class of polymers consisting of polymerized units of at least one cyclic olefin of the formulae I, II, II' III, IV, V or VI from 0.1 to 100% by weight, based on the total weight of the cycloolefin polymer, of



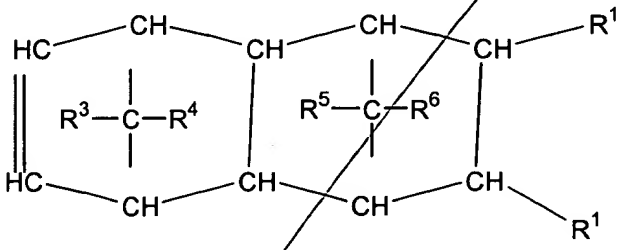
(I),



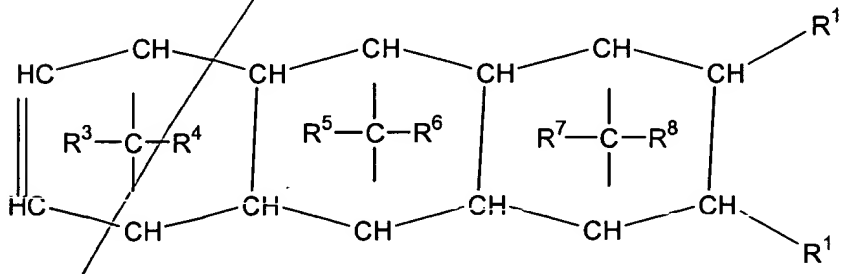
(II),



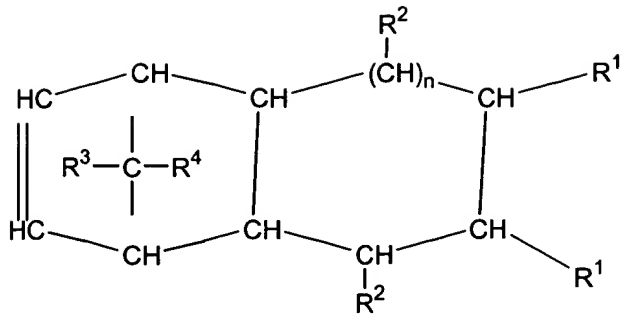
(II'),



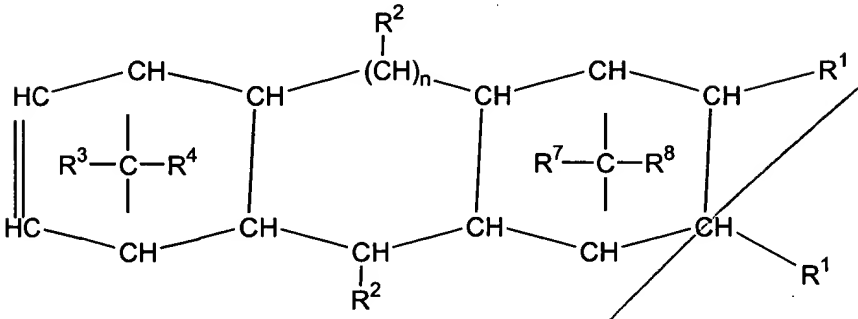
(III),



(IV),

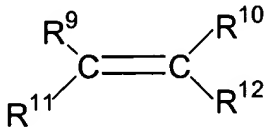


(V),



(VI),

where R^1, R^2, R^3, R^4, R^5, R^6, R^7, and R^8 are identical or different and are hydrogen or a C_1-C_{20}-hydrocarbon radical, where the same radicals R^1 to R^8 may be different in the different formulae I to VI, where n is from 0 to 5, and from 0 to 99 mol %, based on the entire structure of the cycloolefin copolymer, of polymerized units derived from one or more acyclic olefins of the formula VII



(VII),

where R^9, R^{10}, R^{11}, and R^{12} are identical or different and are hydrogen, a linear or branched, saturated or unsaturated C_1-C_{20}-hydrocarbon radical, and

wherein said monolayer film has a stretching ratio of from 1.1 to 4.0.